

Message Text

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ACTION OES-04

INFO OCT-01 EUR-12 EA-06 ISO-00 ACDA-05 CIAE-00 INR-07

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FM AMEMBASSY JAKARTA

TO SECSTATE WASHDC 8131

INFO US ERDA GERMANTOWN

AMEMBASSY BRUSSELS

AMEMBASSY TOKYO

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BRUSSELS FOR ERDA SCIREP

TOKYO FOR ERDA SCIREP

E.O. 11652: N/A

TAGS: TECH, ENRG, ID

SUBJECT: INDONESIAN INTEREST IN ASSISTANCE IN NUCLEAR ENERGY FIELD

REF: STATE 101596

1. EMBOFF AND ERDA SCIREP MET WITH INDONESIA NATIONAL ATOMIC ENERGY AGENCY (BATAN) DIR.GEN. BAIQUNI TO DISCUSS STATUS USG-GOI NUCLEAR EXCHANGES UNDER EXISTING EXCHANGE AGREEMENTS. SCIREP LATER MET WITH PASAR DJUMAT LAB DIRECTOR TAN ANRLC SUNG REACTOR CENTER DIRECTOR SUPADI.

2. BATAN ROUTINELY RECEIVING NRC REGULATORY AND LICENSING ACTIONS AND NOTICES AS WELL AS ERDA RELEASES.

3. BAIQUNI INDICATED BATAN PLANNING FIRST NUCLEAR
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PLANT AS TURNKEY 500 MWE HEAVY WATER REACTOR OPERATIONAL

MED-TO-LATE 1980S. HOPE TO SELECT SITE IN 1976 AND GO
OUT WITH RFPS IN 1977. SELECTION HWR BASED ON:

A. UNCERTAINTY OF AVAILABILITY OF ENRICHED URANIUM, AND

B. "INDIGINIZABILITY" OF COMPONENTS. WHILE BATAN HOPING
TO DEVELOP INDUSTRIAL BASE (INDIGINIZE) IN NUCLEAR PLANT
COMPONENTS AND FIGURES SMALLER HWR COMPONENTS EASIER THAN
LARGER LWR ONES, PRIMARY REASON FOR HWR SELECTION IS
STATED CONVICTION THAT INSUFFICIENT ENRICHED URANIUM
WILL BE AVAILABLE TO FUEL PLANT. BOTH BATAN AND BANDUNG
MAINTAIN THAT CRUCIAL QUESTION NOT DEPENDENCE ON OUTSIDE
SOURCE FOR ENRICHMENT SERVICES BUT RATHER BELIEF THAT
ENRICHED URANIUM WILL BE TOO SCARCE. SOME INDICATIONS
THAT DECISION MADE FROM ABOVE ON "POLITICAL" GROUNDS,
MOST LIKELY BASED ON DESIRE TO AVOID DEPENDENCE ON OTHER
COUNTRIES. POLICY PERHAPS INFLUENCED BY INDIANS.

4. INDONESIA PRESENTLY HAS ABOUT 2,000 MWE INSTALLED
ELECTRICAL GENERATING CAPACITY OF WHICH HALF OWNED BY
STATE AND HALF BY PRIVATE INDUSTRY. GOI TARGETING 64,000
MWE BY YEAR 2000 OF WHICH 25 TO 40 PERCENT NUCLEAR. ALL
ADDITIONAL CAPACITY EXPECTED TO BE STATE OWNED.

5. GOI HAS LOOSELY FORMULATED UMBRELLA AGREEMENT WITH
FRENCH UNDER WHICH SCIENTISTS ARE EXCHANGED
AND TRAINING PROGRAMS INITIATED.

6. GOI HAS COOPERATIVE AGREEMENT WITH AUSTRALIA UNDER
WHICH AUSTRALIANS SUPPORTING RADIATION MEASUREMENTS
PROJECT AT BANDUNG COSTING AN ESTIMATED \$20,000
AUSTRALIAN. THIS PROJECT WAS FIRST PROPOSED TO IAEA,
UWLZ WAS UNABLE TO FUND, SO AUSTRALIA PICKED IT UP.

7. GOI HAS COOPERATIVE AGREEMENT WITH INDIA. INDIA
FURNISHED NEUTRON SPECTROMETRY EQUIPMENT VERY RECENTLY
ARRIVED BANDUNG, STILL IN CRATES IN REACTOR ROOM.

8. GOI HAS COOPERATIVE AGREEMENT WITH USG UNDER WHICH
1 MW GA POOL REACTOR (ORIGINALLY 750 KW) FURNISHED.
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ACCORDING TO BAIQUNI, TAN AND SUPADI ARRANGEMENT HAS BEEN
INACTIVE FOR SOME YEARS.

9. USG ASSISTANCE REQUESTED BY BATAN IN FOLLOWING AREAS:

A. FUNDS TO SEND A FEW GOI NUCLEAR SCIENTISTS AND
ENGINEERS TO U.S. FOR NUCLEAR TRAINING, AND

B. ESTABLISHMENT OF SISTER LAB RELATIONSHIP WITH ERDA
LAB, PERHAPS ANL. BOTH BAIQUNI AND SUPADI ATTENDED ANL
REACTOR SCHOOL IN 1950S.

10. COMMENT: IT IS APPARENT THAT A MODEST DEGREE
OF ASSISTANCE WOULD BE VERY MUCH APPRECIATED. EMBASSY
AND SCIREP BELIEVE SUCH ASSISTANCE AND THE ASSOCIATION
WITH U.S.'S NUCLEAR COMMUNITY COULD RESULT IN BROADER
PERSPECTIVE AND PERHAPS CHANGE IN PLAN FROM HWR TO LWR.
THIS COULD CREATE WORTHWHILE U.S. COMMERCIAL OPPORTUNITY
AND GIVE U.S. MORE OPPORTUNITY FOR FOLLOWING INDONESIAN
NUCLEAR DEVELOPMENTS. ADDITIONALLY, EMBASSY BELIEVES
EVEN MODEST ASSISTANCE WOULD PROVIDE SOME ADDITIONAL
ASSURANCE TO GOI OF USG'S CONTINUED SUPPORT.
NEWSOM

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